

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085051 A1

(51) International Patent Classification⁷: B62J 1/00

(21) International Application Number: PCT/SE2005/000303

(22) International Filing Date: 2 March 2005 (02.03.2005)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data: 0400526-0 3 March 2004 (03.03.2004) SE

(71) Applicant and
(72) Inventor: JANSCH, Mikael [SE/SE]; Järla Sjöväg 19, S-131 41 Nacka (SE).

(74) Agent: EHRNER & DELMAR PATENTBYRÅ AB; Box 10316, S-100 55 Stockholm (SE).

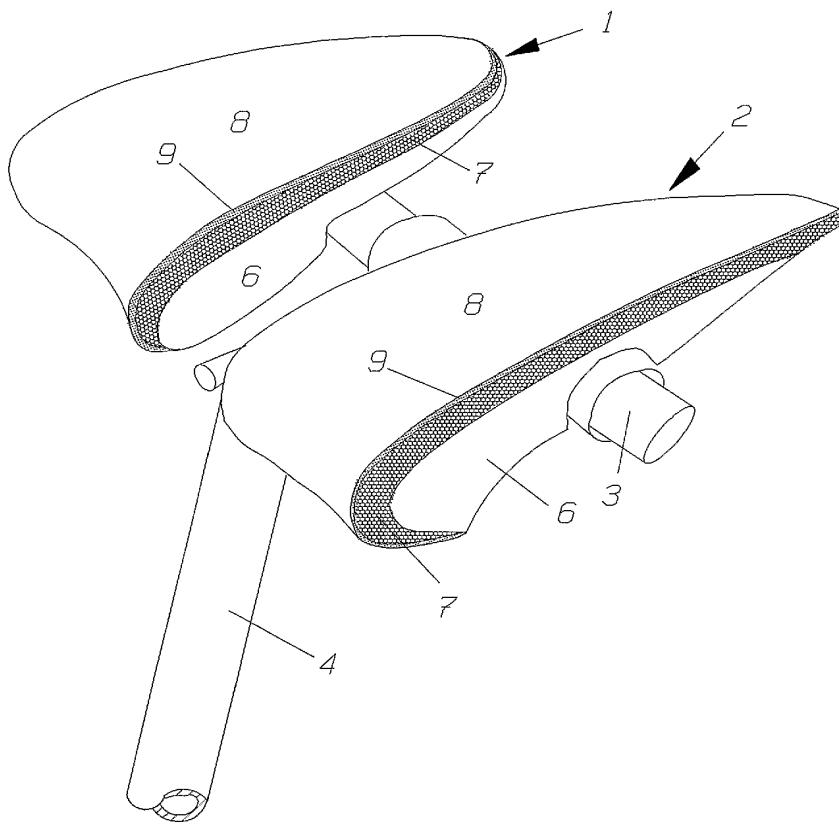
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— Published: with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BICYCLE SEAT



(57) Abstract: Bicycle seat consisting of two from each other separated support portions for supporting one of the bicycle rider's (upper femur) seat bone, whereby each support portion is supported by a joint bar, which is arranged perpendicular to the central plane of the bicycle. In order to make the bicycle seat comfortable and specifically facilitate the movement of the seat bones when the rider pedals, it is suggested a combination including that each of the support portions is fixable on the bar and consists of at least three layers (6, 7, 8) firmly connected to each other by means of meeting surfaces, the undermost layer (6) being stiff and is fixable on the bar (3) and that the next layer (7) is a cushion, which is elastic in all directions. A third layer (8) is placed on the cushion and is stiff in all direction in its plane. The thickness of the cushion (7) is increasing in the direction to its forward edge and the elasticity is such that the surface pressure from the rider's seat bone when the thighs are moving up and down is met by the elasticity without the elasticity being completely consumed.